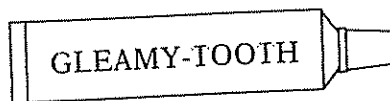


Applications of LCM

1. Gleamy-Tooth toothpaste comes in 2 sizes.



9 oz for \$0.99



12 oz for \$1.19

* the answer to a.

- What is the LCM of 9 and 12? _____
- If you bought that much* toothpaste in 9-oz tubes, how much would it cost? _____
- If you bought that much* toothpaste in 12-oz tubes, how much would it cost? _____
- Which tube gives you more Gleamy-Tooth for the money?

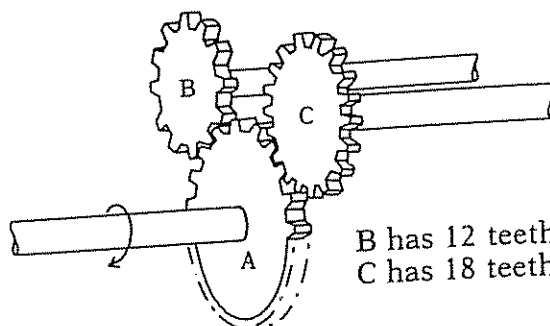
2. In the school kitchen during lunch, the timer for pizza buzzes every 14 minutes; the timer for hamburger buns buzzes every 6 minutes. The two timers just buzzed together. In how many minutes will they buzz together again?

3. Two ships sail steadily between New York and London. One ship takes 12 days to make a round trip; the other takes 15 days. If they are both in New York today, in how many days will they both be in New York again?

4. The high school lunch menu repeats every 20 days; the elementary school menu repeats every 15 days. Both schools are serving sloppy joes today. In how many days will they both serve sloppy joes again?

5. Two neon signs are turned on at the same time. One blinks every 4 seconds; the other blinks every 6 seconds. How many times per minute do they blink on together?

6. How many teeth should be on gear A if each turn of gear A is to produce a whole number of turns of the shafts attached to B and C?



B has 12 teeth
C has 18 teeth